

# Update Search

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	36468	ALD (atomic adj layer\$1 adj deposit\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 14:59
L2	341	1 and (("TiCl. <sub>4</sub> " (trimethyl adj aluminum)) same ("NH. <sub>3</sub> " ozone))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 15:01
L3	11	2 and (mono adj layer\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 15:28
L4	117	1 and (mono adj layer\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 15:03
L5	48	4 and purg\$3 with (chamber\$1 reactor\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 15:07

# Interference Search

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	2	((mono adj layer\$1) same pulse\$1). clm.	US-PGPUB	OR	OFF	2006/01/06 15:30


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 Time: 15:32:14

## Inventor Name Search Result

Your Search was:

Last Name = MARSH

First Name = EUGENE

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">10229887</a>	<a href="#">6673701</a>	150	08/27/2002	ATOMIC LAYER DEPOSITION METHODS	MARSH, EUGENE
<a href="#">10734999</a>	Not Issued	71	12/12/2003	Deposition methods with time spaced and time abutting precursor pulses	MARSH, EUGENE
<a href="#">11217949</a>	Not Issued	20	09/01/2005	Atomic layer deposition systems and methods including silicon-containing tantalum precursor compounds	MARSH, EUGENE
<a href="#">07534891</a>	<a href="#">5050296</a>	150	06/07/1990	AFFIXING PLUGGABLE PINS TO A CERAMIC SUBSTRATE	MARSH, EUGENE L.
<a href="#">06473570</a>	<a href="#">4625850</a>	150	03/09/1983	PRESS CLUTCH CONTROL SYSTEM	MARSH, EUGENE M.
<a href="#">09506962</a>	<a href="#">6541067</a>	150	02/18/2000	SOLVATED RUTHENIUM PRECURSORS FOR DIRECT LIQUID INJECTION OF RUTHENIUM AND RUTHENIUM OXIDE AND METHOD OF USING SAME	MARSH, EUGENE P
<a href="#">09651859</a>	<a href="#">6461909</a>	150	08/30/2000	PROCESS FOR FABRICATING RUSIXOY-CONTAINING ADHESION LAYERS	MARSH, EUGENE P
<a href="#">09146556</a>	<a href="#">6271131</a>	150	09/03/1998	METHODS FOR FORMING RHODIUM-CONTAINING LAYERS SUCH AS PLATINUM-RHODIUM BARRIER LAYERS	MARSH, EUGENE P
<a href="#">09489783</a>	<a href="#">6143085</a>	150	01/24/2000	Laser desorption of cvd precursor species	MARSH, EUGENE P.
<a href="#">09491967</a>	<a href="#">6187392</a>	150	01/27/2000	Laser desorption of CVD precursor species	MARSH, EUGENE P.
<a href="#">09505333</a>	<a href="#">6271519</a>	150	02/16/2000	Analysis of semiconductor surfaces by secondary ion mass spectrometry	MARSH, EUGENE P.
<a href="#">09542429</a>	<a href="#">6626999</a>	150	04/04/2000	VAPOR FORMING DEVICES, AND METHODS OF CLEANING VAPORIZATION SURFACES	MARSH, EUGENE P.
<a href="#">09542796</a>	<a href="#">6419994</a>	150	04/04/2000	METHODS OF CHEMICAL VAPOR	MARSH, EUGENE P.

DEPOSITION					
09571718	6342445	150	05/15/2000	Method of fabricating an SrRuO <sub>3</sub> Film	MARSH, EUGENE P.
09573034	6281125	150	05/17/2000	Methods for preparing ruthenium oxide films	MARSH, EUGENE P.
09594171	Not Issued	161	06/15/2000	Oxidation Resistant Platinum Film For Capacitors	MARSH, EUGENE P.
09594339	6387802	150	06/15/2000	Nucleation and deposition of PT films using ultraviolet irradiation	MARSH, EUGENE P.
09603132	Not Issued	71	06/23/2000	Device structures including ruthenium silicide diffusion barrier layers	MARSH, EUGENE P.
09651620	6903005	150	08/30/2000	METHOD FOR THE FORMATION OF RUSIXOY-CONTAINING BARRIER LAYERS FOR HIGH-K DIELECTRICS	MARSH, EUGENE P.
09651699	6690055	150	08/30/2000	DEVICES CONTAINING PLATINUM-RHODIUM LAYERS AND METHODS	MARSH, EUGENE P.
09652636	6660631	150	08/31/2000	DEVICES CONTAINING PLATINUM-IRIDIUM FILMS AND METHODS OF PREPARING SUCH FILMS AND DEVICES	MARSH, EUGENE P.
09653513	6642567	150	08/31/2000	DEVICES CONTAINING ZIRCONIUM-PLATINUM-CONTAINING MATERIALS AND METHODS FOR PREPARING SUCH MATERIALS AND DEVICES	MARSH, EUGENE P.
09680246	6312557	150	10/05/2000	Method and apparatus for using photoemission to determine the endpoint of an etch process	MARSH, EUGENE P.
09790405	6403499	150	02/21/2001	PLANARIZATION OF NON-PLANAR SURFACES IN DEVICE FABRICATION	MARSH, EUGENE P.
09795999	6528786	150	02/28/2001	ANALYSIS OF SEMICONDUCTOR SURFACES BY SECONDARY ION MASS SPECTROMETRY AND METHODS	MARSH, EUGENE P.
09812157	6858535	150	03/19/2001	METHODS FOR PATTERNING METAL LAYERS FOR USE WITH FORMING SEMICONDUCTOR DEVICES	MARSH, EUGENE P.
09855532	Not Issued	95	05/16/2001	METHOD OF FORMING MIRRORS BY SURFACE TRANSFORMATION OF EMPTY SPACES IN SOLID STATE MATERIALS AND STRUCTURES THEREON	MARSH, EUGENE P.
09884997	6656835	150	06/21/2001	PROCESS FOR LOW TEMPERATURE ATOMIC LAYER DEPOSITION OF RH	MARSH, EUGENE P.

09886332	6455423	150	06/21/2001	DIRECT WRITING OF LOW CARBON CONDUCTIVE MATERIAL	MARSH, EUGENE P.
09888891	6462367	150	06/25/2001	RUSIXOY-CONTAINING ADHESION LAYERS	MARSH, EUGENE P.
09891919	6429439	150	06/26/2001	ORGANIC FIELD IONIZATION SOURCE	MARSH, EUGENE P.
09923662	6403414	150	08/07/2001	METHOD FOR PRODUCING LOW CARBON/OXYGEN CONDUCTIVE LAYERS	MARSH, EUGENE P.
09923851	6495458	150	08/07/2001	METHOD FOR PRODUCING LOW CARBON/OXYGEN CONDUCTIVE LAYERS	MARSH, EUGENE P.
09935465	6796313	150	08/21/2001	METHODS OF CLEANING VAPORIZATION SURFACES	MARSH, EUGENE P.
09935490	6610568	150	08/23/2001	PROCESS FOR FABRICATING RUSIXOY-CONTAINING ADHESION LAYERS	MARSH, EUGENE P.
09942200	Not Issued	61	08/29/2001	DIFFUSION BARRIER LAYERS AND METHODS OF FORMING SAME	MARSH, EUGENE P.
09945393	Not Issued	71	08/30/2001	Dielectric material forming methods and enhanced dielectric materials	MARSH, EUGENE P.
10003261	6506666	150	12/06/2001	METHOD OF FABRICATING AN SRRUO3 FILM	MARSH, EUGENE P.
10012668	6517616	150	10/30/2001	SOLVATED RUTHENIUM PRECURSORS FOR DIRECT LIQUID INJECTION OF RUTHENIUM AND RUTHENIUM OXIDE	MARSH, EUGENE P.
10075574	6737317	150	02/12/2002	METHOD OF MANUFACTURING A CAPACITOR HAVING RUSIXOY-CONTAINING ADHESION LAYERS	MARSH, EUGENE P.
10075819	6617634	150	02/12/2002	A CAPACITOR HAVING RUSIXOY-CONTAINING ADHESION LAYERS	MARSH, EUGENE P.
10075863	6800937	150	02/12/2002	RUSIXOY-CONTAINING ADHESION LAYERS	MARSH, EUGENE P.
10133951	Not Issued	61	04/25/2002	Metal layer forming methods and capacitor electrode forming methods	MARSH, EUGENE P.
10136771	6744138	150	04/30/2002	PROCESS FOR THE FORMATION OF RUSIXOY-CONTAINING BARRIER LAYERS FOR HIGH-K DIELECTRICS	MARSH, EUGENE P.
10157376	6569689	150	05/29/2002	METHOD OF FORMING A CAPACITOR	MARSH, EUGENE P.
10158978	6764895	150	05/30/2002	PROCESS FOR FABRICATING RUSIXOY-CONTAINING ADHESION LAYERS	MARSH, EUGENE P.

<a href="#"><u>10165263</u></a>	<a href="#"><u>6677252</u></a>	150	06/06/2002	METHODS FOR PLANARIZATION OF NON-PLANAR SURFACES IN DEVICE FABRICATION	<a href="#"><u>MARSH, EUGENE P.</u></a>
<a href="#"><u>10179946</u></a>	<a href="#"><u>6881260</u></a>	150	06/25/2002	PROCESS FOR DIRECT DEPOSITION OF ALD RHO2	<a href="#"><u>MARSH, EUGENE P.</u></a>
<a href="#"><u>10215990</u></a>	<a href="#"><u>6800521</u></a>	150	08/09/2002	PROCESS FOR THE FORMATION OF RUSIXOY-CONTAINING BARRIER LAYERS FOR HIGH-K DIELECTRICS	<a href="#"><u>MARSH, EUGENE P.</u></a>
<a href="#"><u>10215991</u></a>	<a href="#"><u>6787449</u></a>	150	08/09/2002	PROCESS FOR THE FORMATION OF RUSIXOY-CONTAINING BARRIER LAYERS FOR HIGH-K DIELECTRICS	<a href="#"><u>MARSH, EUGENE P.</u></a>

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**Inventor Name Search Result**

Your Search was:

Last Name = MARSH

First Name = EUGENE

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10230605	6830983	150	08/29/2002	PLATINUM STUFFED WITH SILICON OXIDE AS A DIFFUSION OXYGEN BARRIER FOR SEMICONDUCTOR DEVICES	MARSH, EUGENE P.
10231434	6783657	150	08/29/2002	SYSTEMS AND METHODS FOR THE ELECTROLYTIC REMOVAL OF METALS FROM SUBSTRATES	MARSH, EUGENE P.
10231435	6861355	150	08/29/2002	METAL PLATING USING SEED FILM	MARSH, EUGENE P.
10232215	Not Issued	41	08/29/2002	Systems for electrolytic removal of metals from substrates	MARSH, EUGENE P.
10283316	6943073	150	10/30/2002	PROCESS FOR LOW TEMPERATURE ATOMIC LAYER DEPOSITION OF RH	MARSH, EUGENE P.
10303017	6813136	150	11/25/2002	MEMORY STRUCTURE WITH AN ANNEALED FILM	MARSH, EUGENE P.
10322264	6844261	150	12/17/2002	SOLVATED RUTHENIUM PRECURSORS FOR DIRECT LIQUID INJECTION OF RUTHENIUM AND RUTHENIUM OXIDE	MARSH, EUGENE P.
10358939	6855928	150	02/04/2003	ANALYSIS OF SEMICONDUCTOR SURFACES BY SECONDARY ION MASS SPECTROMETRY AND METHODS	MARSH, EUGENE P.
10365204	6840988	150	02/11/2003	SOLVATED RUTHENIUM PRECURSORS FOR DIRECT LIQUID INJECTION OF RUTHENIUM AND RUTHENIUM OXIDE	MARSH, EUGENE P.
10392047	6884691	150	03/18/2003	METHOD OF FORMING A SUBSTRATE HAVING A SURFACE COMPRISING AT LEAST ONE OF PT, PD, CO AND AU IN AT LEAST ONE OF ELEMENTAL AND ALLOY FORMS	MARSH, EUGENE P.
10413750	6757153	150	04/15/2003	THIN FILM STRUCTURE THAT MAY BE USED WITH AN ADHESION	MARSH, EUGENE P.

LAYER					
10418411	6737313	150	04/16/2003	SURFACE TREATMENT OF AN OXIDE LAYER TO ENHANCE ADHESION OF A RUTHENIUM METAL LAYER	MARSH, EUGENE P.
10430456	6867093	150	05/06/2003	PROCESS FOR FABRICATING RUSIXOY-CONTAINING ADHESION LAYERS	MARSH, EUGENE P.
10430457	6867449	150	05/06/2003	CAPACITOR HAVING RUSIXOY-CONTAINING ADHESION LAYERS	MARSH, EUGENE P.
10440587	6713760	150	05/19/2003	ANALYSIS OF SEMICONDUCTOR SURFACES BY SECONDARY ION MASS SPECTROMETRY AND METHODS	MARSH, EUGENE P.
10637362	Not Issued	161	08/08/2003	Atomic layer deposition of metal during the formation of a semiconductor device	MARSH, EUGENE P.
10639409	6900107	150	08/12/2003	DEVICES CONTAINING PLATINUM-IRIDIUM FILMS AND METHODS OF PREPARING SUCH FILMS AND DEVICES	MARSH, EUGENE P.
10642454	Not Issued	41	08/13/2003	Platinum-containing integrated circuits and capacitor constructions	MARSH, EUGENE P.
10643680	Not Issued	30	08/18/2003	Atomic layer deposition methods of forming conductive metal nitride comprising layers	MARSH, EUGENE P.
10657069	Not Issued	80	09/09/2003	Capacitor with rhodium electrode	MARSH, EUGENE P.
10680038	6946395	150	10/07/2003	DEVICES CONTAINING ZIRCONIUM-PLATINUM-CONTAINING MATERIALS AND METHODS FOR PREPARING SUCH MATERIALS AND DEVICES	MARSH, EUGENE P.
10741256	Not Issued	93	12/17/2003	METHODS OF FORMING ROUGHENED LAYERS OF PLATINUM	MARSH, EUGENE P.
10755097	Not Issued	71	01/09/2004	Methods and apparatus for forming rhodium-containing layers	MARSH, EUGENE P.
10840535	Not Issued	30	05/06/2004	Selective provision of a diblock copolymer material	MARSH, EUGENE P.
10848321	Not Issued	41	05/18/2004	Method of forming a conductive structure	MARSH, EUGENE P.
10848985	Not Issued	41	05/18/2004	Surface treatment of an oxide layer to enhance adhesion of a ruthenium metal layer	MARSH, EUGENE P.
10910219	Not Issued	41	08/02/2004	Method of forming metal oxide and semimetal oxide	MARSH, EUGENE P.

<u>10912906</u>	Not Issued	61	08/06/2004	Devices containing platinum-iridium films and methods of preparing such films and devices	MARSH, EUGENE P.
<u>10914888</u>	Not Issued	71	08/09/2004	Dielectric material forming methods and enhanced dielectric materials	MARSH, EUGENE P.
<u>10923478</u>	Not Issued	61	08/20/2004	Systems and methods for the electrolytic removal of metals from substrates	MARSH, EUGENE P.
<u>10929633</u>	Not Issued	30	08/30/2004	Platinum stuffed with silicon oxide as a diffusion oxygen barrier for semiconductor devices	MARSH, EUGENE P.
<u>10932149</u>	Not Issued	30	09/01/2004	Deposition methods using heteroleptic precursors	MARSH, EUGENE P.
<u>11039564</u>	Not Issued	41	01/19/2005	Nucleation method for atomic layer deposition of cobalt on bare silicon during the formation of a semiconductor device	MARSH, EUGENE P.
<u>11053798</u>	Not Issued	30	02/09/2005	Metal plating using seed film	MARSH, EUGENE P.
<u>11054018</u>	Not Issued	71	02/09/2005	Metal plating using seed film	MARSH, EUGENE P.
<u>11063740</u>	Not Issued	160	02/24/2005	Process for direct deposition of ALD RhO <sub>2</sub>	MARSH, EUGENE P.
<u>11105148</u>	Not Issued	30	04/12/2005	Method of forming a catalytic surface comprising at least one of Pt, Pd, Co and Au in at least one of elemental and alloy forms	MARSH, EUGENE P.
<u>11134906</u>	Not Issued	30	05/23/2005	Process for forming a low carbon, low resistance metal film during the manufacture of a semiconductor device and systems including same	MARSH, EUGENE P.
<u>11167074</u>	Not Issued	30	06/27/2005	Nucleation and deposition of platinum group metal films using ultraviolet irradiation	MARSH, EUGENE P.
<u>11185423</u>	Not Issued	20	07/20/2005	ALD formed titanium nitride films	MARSH, EUGENE P.
<u>11197184</u>	Not Issued	30	08/04/2005	Conductive nanoparticles	MARSH, EUGENE P.
<u>11212899</u>	Not Issued	20	08/26/2005	Semiconductor structures	MARSH, EUGENE P.
<u>11215569</u>	Not Issued	30	08/29/2005	Devices containing zirconium-platinum-containing materials and methods for preparing such materials and devices	MARSH, EUGENE P.
<u>11217982</u>	Not Issued	20	09/01/2005	Porous organosilicate layers, and vapor deposition systems and methods for preparing same	MARSH, EUGENE P.

11233967	Not Issued	30	09/23/2005	Methods of forming metal oxide and semimetal oxide	MARSH, EUGENE P.
08879747	6051287	150	06/20/1997	LASER DESORPTION OF CVD PRECURSOR	MARSH, EUGENE P.
09035197	5920068	150	03/05/1998	ANALYSIS OF SEMICONDUCTOR SURFACES BY SECONDARY ION MASS SPECTROMETRY	MARSH, EUGENE P.
09140878	6074945	150	08/27/1998	METHODS FOR PREPARING RUTHENIUM METAL FILMS	MARSH, EUGENE P.
09140921	Not Issued	161	08/26/1998	CVD PLATINUM-RHODIUM BARRIER LAYER	MARSH, EUGENE P.
09140932	6133159	150	08/27/1998	METHODS FOR PREPARING RUTHENIUM OXIDE FILMS	MARSH, EUGENE P.

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## Inventor Name Search Result

Your Search was:

Last Name = MARSH

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
09141240	6197628	150	08/27/1998	RUTHENIUM SILICIDE DIFFUSION BARRIER LAYERS AND METHODS OF FORMING SAME	MARSH, EUGENE P.
09141840	6583022	150	08/27/1998	METHODS OF FORMING ROUGHENED LAYERS OF PLATINUM AND METHODS OF FORMING CAPACITORS	MARSH, EUGENE P.
09146292	6261850	150	09/03/1998	DIRECT WRITING OF LOW CARBON CONDUCTIVE MATERIAL	MARSH, EUGENE P.
09146297	6284655	150	09/03/1998	METHOD FOR PRODUCING LOW CARBON/OXYGEN CONDUCTIVE LAYERS	MARSH, EUGENE P.
09146300	6204172	150	09/03/1998	LOW TEMPERATURE DEPOSITION OF BARRIER LAYERS	MARSH, EUGENE P.
09146408	6218297	150	09/03/1998	METHOD OF PATTERNING METAL LAYERS BY ANNEALING A METAL LAYER FORMED OVER A PATTERNED METAL-CONTAINING ADHESION LAYER	MARSH, EUGENE P.
09146866	6323081	150	09/03/1998	DIFFUSION BARRIER LAYERS AND METHODS OF FORMING SAME	MARSH, EUGENE P.
09177019	6218316	150	10/22/1998	PLANARIZATION OF NON-PLANAR SURFACES IN DEVICE FABRICATION	MARSH, EUGENE P.
09221861	6204178	150	12/29/1998	NUCLEATION AND DEPOSITION OF PT FILMS USING ULTRAVIOLET IRRADIATION	MARSH, EUGENE P.
09259209	6421223	150	03/01/1999	THIN FILM STRUCTURE THAT MAY BE USED WITH AN ADHESION LAYER	MARSH, EUGENE P.
09281735	5990559	150	03/30/1999	CIRCUITRY COMPRISING ROUGHENED PLATINUM LAYERS, PLATINUM-CONTAINING MATERIALS, CAPACITORS	MARSH, EUGENE P.

				COMPRISING ROUGHENED PLATINUM LAYERS, METHODS OF FORMING ROUGHENED LAYERS OF PLATINUM, AND METHODS OF FORMING CAPACITORS	
09309208	6232600	150	05/10/1999	ANALYSIS OF SEMICONDUCTOR SURFACES BY SECONDARY ION MASS SPECTROMETRY	MARSH, EUGENE P.
09340985	6143667	150	06/28/1999	METHOD AND APPARATUS FOR USING PHOTOEMISSION TO DETERMINE THE ENDPOINT OF AN ETCH PROCESS	MARSH, EUGENE P.
09352817	6318381	150	07/13/1999	METHODS OF CLEANING VAPORIZATION SURFACES	MARSH, EUGENE P.
09382042	6323511	150	08/24/1999	STRUCTURES INCLUDING LOW CARBON/OXYGEN CONDUCTIVE LAYERS	MARSH, EUGENE P.
09386976	6265722	150	08/31/1999	ORGANIC FIELD IONIZATION SOURCE	MARSH, EUGENE P.
09399591	6281161	150	09/20/1999	PLATINUM -CONTAINING MATERIALS AND CATALYSTS	MARSH, EUGENE P.
09421625	Not Issued	93	10/19/1999	CIRCUITRY AND CAPACITORS COMPRISING ROUGHENED PLATINUM LAYERS	MARSH, EUGENE P.

Inventor Search Completed: No Records to Display.

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